

ABSTRACT OF THE DISCLOSURE

A compliant golf club head permits a more efficient impact between a golf ball and the golf club head. Material and geometry constraints of a striking plate of the golf club head can
5 reduce energy losses caused by large strain and strain rate values of the golf ball, these constraints on the striking plate yield a measure of the impact efficiency of the golf club head. Designating a required natural frequency range of the striking plate provides improved impact efficiency between the golf ball the golf club head.